ISO 14001

Environmental Management

for **Automotive**

![bsi.]

Since the late 1990s, ISO 14001 has been mandated by some of the biggest automotive OEMs including Ford, PSA Group, Honda, Toyota, and GM amongst others, to improve the environmental performance of organizations within their supply chain.

Why is environmental management important to the automotive industry?

As car ownership increases and vehicle production becomes more complex, consumers are asking more questions about the environmental credentials of the vehicles they drive. OEMs need to produce cleaner and greener vehicles to satisfy consumers, safeguard their brand and meet regulatory requirements.

In the supply chain, particularly amongst tier one and tier two component manufacturers, there is a continuous call to cut waste and reduce costs to meet Customer Specific Requirements (CSRs) and remain competitive. And once vehicles are no longer roadworthy, there are increasingly stringent requirements around scrappage, remanufacturing and recycling.

Despite these challenges, organizations in the automotive supply chain are making progress towards reducing their environmental impact.

What is ISO 14001?

ISO 14001 is the world's leading environmental management system standard. Globally, over 300,000 organizations of all sizes across all sectors use its framework to make their day-to-day operations more sustainable and to lessen the environmental impact on their community. Achieving certification to this standard can ultimately help save money, improve brand reputation, engage employees increase the ability to rapidly adapt to change and build resilience against uncertainty. It also drives an organization to evaluate how it manages emergency response, customer expectations, stakeholders and its impact with its surrounding environment.

In Europe, auto makers have significantly reduced the environmental impact of manufacturing over the last decade. The energy consumption per car produced has decreased by almost 16% between 2008 and 2017 and the amount of waste generated per car produced went down by nearly 14% during the same period[A].

In its Indiana plant, Subaru has lowered waste generation by 60% since 2000. Production of each vehicle generates about 240 pounds of waste; in 2016, Subaru recycled almost 94 million pounds of material, including 80 million pounds of metal and is the first U.S. auto plant to achieve zero-landfill status[B].

Added to this, as governments and society react to environmental legislation and concerns and introduce measures which impact business and consumers alike, such as clean air zones in cities, organizations need to continually improve their environmental management. This includes all kinds of road vehicles, such as buses, as well as vans and lorries for deliveries (and personal car ownership).
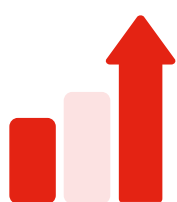
How can ISO 14001 benefit your organization?

ISO 14001 can help to deliver the cost savings often demanded in automotive manufacturing. It can also help identify risk, safeguard the organization's brand and demonstrate its commitment to social responsibility.

It encourages organizations to consider taking a life cycle perspective towards their environmental management system which can yield multiple benefits. These include new design possibilities, energy savings, and synergies in the supply chain – all of which could lead to cost savings. For more information about how this approach can deliver greater value download a copy of the BSI whitepaper "ISO 14001:2015 – Getting a management perspective on life cycles".

At BSI, our clients tell us they get multiple benefits from implementing ISO 14001, including[C]:
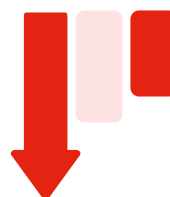
77%
Helps to comply with regulations

56%
Inspires trust in the business

51%
Helps manage business risk

53%
Helps reduce waste / defects

[A] Source: European Automobile Manufacturers Association, 2018
[B] Source: Scientific American, 2017
[C] Source: BSI 2017 BSI Benefits – BSI clients we asked which benefits they obtained from ISO 14001.

What steps do I need to take?

The great news is that if you are already certified to IATF 16949 or ISO 9001 you are well on your way as their structure and many of the requirements are aligned to ISO 14001.

To start your journey to ISO 14001, follow these steps:

- Buy a copy of ISO 14001 and read it

- Book a training course with BSI to understand the requirements of the standard. (BSI offer everything from on-line training to five-day IRCA certified lead auditor courses)

- Appoint your cross-organizational team

- Develop an implementation plan

- Identify any organizational gaps which need to be addressed to meet the needs of the standard

- Schedule your BSI gap assessment

- Liaise with your local BSI office to book your certification assessment. This is a two-step process and the length varies based on the size of your business

- Achieve certification and celebrate your achievement

- Your journey does not stop with certification. Your BSI Client Manager will visit you regularly to make sure you remain compliant and support your continual improvement

About BSI

BSI is the business improvement company that enables organizations to turn standards of best practice into habits of excellence. For over a century BSI has championed what good looks like and driven best practice in organizations around the world. Working with over 86,000 clients across 193 countries, it is a truly international business with skills and experience across a number of sectors including automotive, aerospace, built environment, food, and healthcare.Through its expertise in Standards Development and Knowledge Solutions, Assurance and Professional Services, BSI improves business performance to help clients grow sustainably, manage risk and ultimately be more resilient.

Find out more about ISO 14001, visit **bsigroup.com**

Why BSI?

BSI has been at the forefront of ISO 14001 since the start. It was originally based on BS 7750, the first environmental management system standard which was developed by BSI in 1992, the year of the first Earth Summit in Rio. And we've been part of its development ever since, evolving ISO 14001 to where it is today. That's why we're best placed to help you understand, implement and benefit from the standard.

By Royal Charter